

Abstract

1       A surface acoustic wave device includes a transducer electrode formed on a  
2       substrate. In one aspect, the electrode has a plurality of layers. At least one of the  
3       layers is metal and another of the layers is a material for providing a hardening effect  
4       to the metal layer by reinforcement with  $Al_2O_3$  precipitates. In another aspect, the  
5       electrode is electrically connected to a metal component that permits electrical  
6       connection of the surface acoustic wave device to an electrical device external to the  
7       surface acoustic wave device. The electrode has a metal portion of a first  
8       metallization. The component is of a second, different metallization. In other aspects,  
9       the surface acoustic wave device is made via a method to have such structural aspects.